FLAIM Pass Extinguisher User Manual

FLAIM Pass Extinguisher User Manual

Contents

Introduction

Welcome to the FLAIM community.

Proper skills and early response to fire saves lives! FLAIM Extinguisher immerses trainees in virtual reality, delivering a realistic simulation of a range of fire events to efficiently train first responders.

Pass.

What's in the box?

Please see below images of the individual parts that come in your FLAIM Extinguisher box/case **(Figure 1 and 2)** with an explanation of what they do.

Figure 1: FLAIM Extinguisher System box (case).

Figure 2: Inside the FLAIM Extinguisher box (case).

Parts Description

1. VR headset – Pico neo2 Head Mounted Display

2. Extinguisher controller tracking system

3. Power cable for Head Mounted Display.

4. HDMI receive

5. Charge plug (country specific) for charging Pico neo2 Headset

6. Country specific power cable and power adaptor for HDMI receiver power supply (configuration may vary in different countries).

7. HDMI extension cable.

Setup

How to set-up, run and get the best training experience from your FLAIM Extinguisher training system.

- ⚠ Before you start, make sure you have adequate working space.

- ⚠ Some scenarios require the trainee to walk closer to the fire to extinguish.

- ⚠ FLAIM recommends 4m x 4m (13ft x 13ft) minimum open clear floor area space.

Training instructor viewing system

The training instructor viewing system (Figure 3) receives the signal transmitted by the FLAIM Extinguisher VR headset. It allows the training instructor and others in the room to experience a live view of what the person being trained can see in the virtual training environment.
The training instructor viewing system consists of a HDMI receiver that connects to a television/projector (not supplied) via a supplied HDMI cable.

Figure 3: Instructor Viewing System Connection.

Step 1

1. Plug the micro USB lead into the USB port on your television and projector.
2. When powered, the receiver power light will glow blue (see Figure 4).
   The USB Power supply delivers power to the HDMI receiver. Some TVs/Monitors/ Projectors cannot supply enough power from their in-built USB port. If there is no light it is likely that your system cannot supply enough power from its in-built USB port. If this occurs, please use the included power supply connected to a power outlet. Retry with power supply connected – you should now see a blue light on the power receiver (see Figure 4).

Figure 4: Ensure HDMI receiver is powered (Blue light) – top right.

Step 2

1. Select the source – television or projector You will now see the Ready to Connect screen (Figure 5) on your television or projector. If the system is inactive for five minutes or longer a screensaver will activate (Figure 6)

Figure 5: HDMI Receiver ready to connect screen.

Figure 6: HDMI Receiver screensaver mode.

Step 3: VR headset set-up

1. Remove the **VR** headset – Pico neo2 Head Mounted Display from the case.
2. To power on the **VR** headset, hold down the power button (on the top right side of the headset for 2 seconds).
3. Put on the **VR** headset. Ensure it is fitted firmly. To tighten the fit for the user, the VR headset can be adjusted at the back via the adjustment knob and on top of the head using the strap.
4. The VR headset is **ON** when you see the Pico neo2 logo

Step 4: Powering on the Extinguisher controller tracking system.

- Short press the **HOME** buttons **(Figure 7 and Figure 8)** to wake up the two controllers.
- Long press the **HOME** button for 6 seconds to turn off the controllers.
- There is no requirement to shut-down, as the controllers will automatically go into sleep mode when not in use.

Figure 7: Controller home button (nozzle).

Figure 7:

Figure 8: Controller home button (trigger).

Set-up troubleshooting

Screen Reentering
Wear the VR Headset and hold the 'HOME' button of the controller for more than 1 second to re-center the screen.
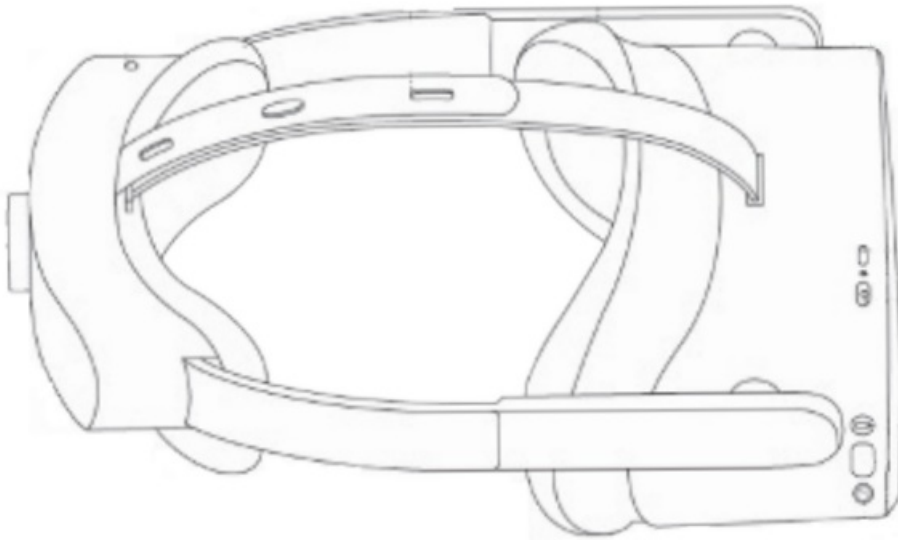
Shutdown
Hold down the power button on the VR headset for 5 seconds. A pop-up menu will allow you to select shutdown or restart with the controller. Click away to cancel.

Volume
To adjust the volume use the controls on the bottom left-hand side of the VR headset.

Charging the VR Headset
Plug the supplied charger cable into the USB C port on the top of the headset and the USB end into the supplied wall plug.

Additional information available at
www.pico-interactive.com/us/faqs/FAQ_Neo2

How to Use FLAIM Extinguisher

Once the system is turned on the initial Extinguisher lobby screen will appear within 1 minute

Streaming to Monitor/TV/Projector

1. To stream to the television or projector select the video connection button in the top right top of the screen, second from right (Figure 10). This will open video streaming options on the tablet.
2. Select the FLAIM device by clicking on its name (eg. FlaimXXX) and wait until the message below shows Connected.
3. You should see **Connecting you now** on your television or projector. Magic is about to happen. It may take 10-20 seconds to connect.
4. FLAIM Extinguisher will now be streaming to the television or projector. It will show what the VR headset view.
5. **Note:** It will only stream while the headset is placed on your head, The television or projector screen will be black when the headset is removed.
6. Click the back button to return back to the FLAIM Extinguisher lobby
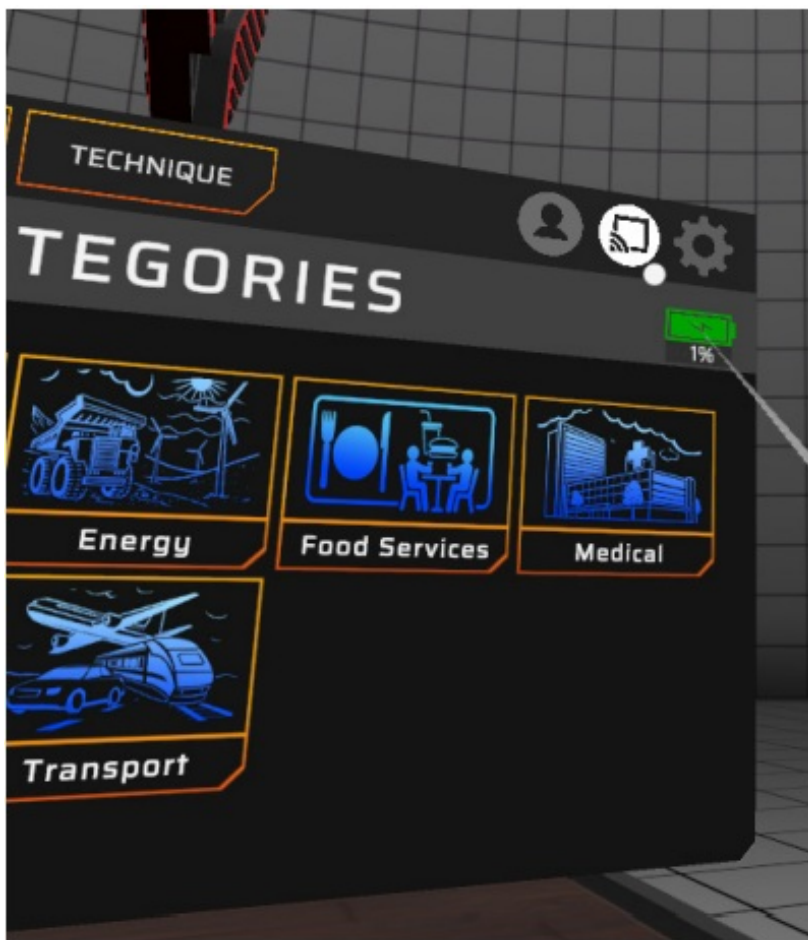
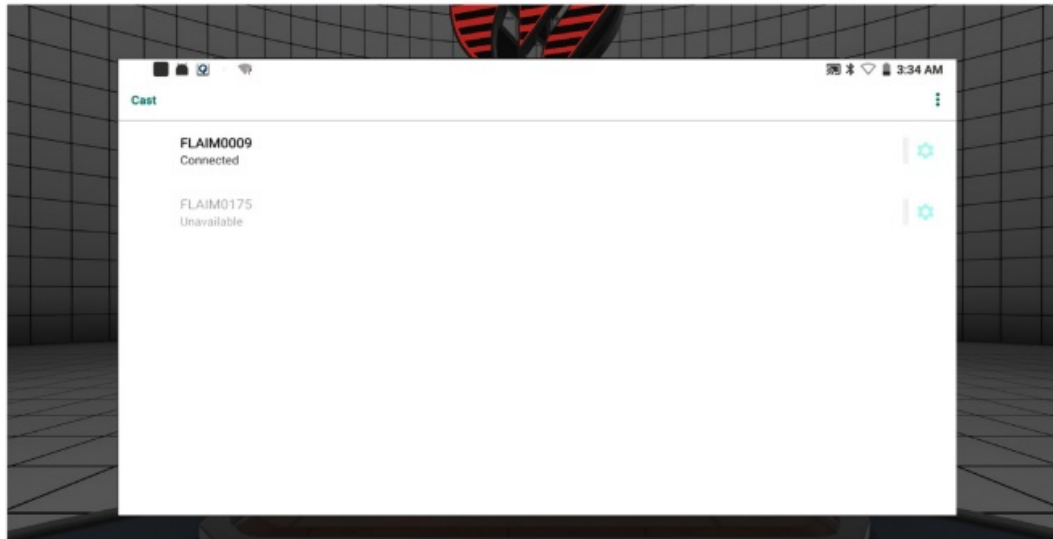**Figure 9:** Video Connection Button.

Figure 10: Video Receiver Connection.

⚠️ To Select a menu item point at it and hold down the bottom button on the controller

Launching FLAIM Extinguisher

When the headset is powered up or restarted you will be taken to the FLAIM Launcher screen
You can launch FLAIM Extinguisher by selecting Launch.
Figure 11: Launcher screen.

Updating FLAIM Extinguisher

If an update to FLAIM Extinguisher is available, you may download and install it by selecting Update. It is strongly recommended that you always keep FLAIM Extinguisher up to date.

Figure 12: Update Available.

Selecting and Running a Scenario

When **FLAIM** Extinguisher is launched you will be taken to this screen.

1. Select **CATEGORIES**
2. Select your preferred category
3. The chosen category will be expanded with its selection of learning scenarios
4. Select your preferred scenario
5. You will now see a circle at your feet **(Figure 14).**
6. Step into the center, with the same orientation as shown
7. After a brief loading time you will be in the virtual scenario

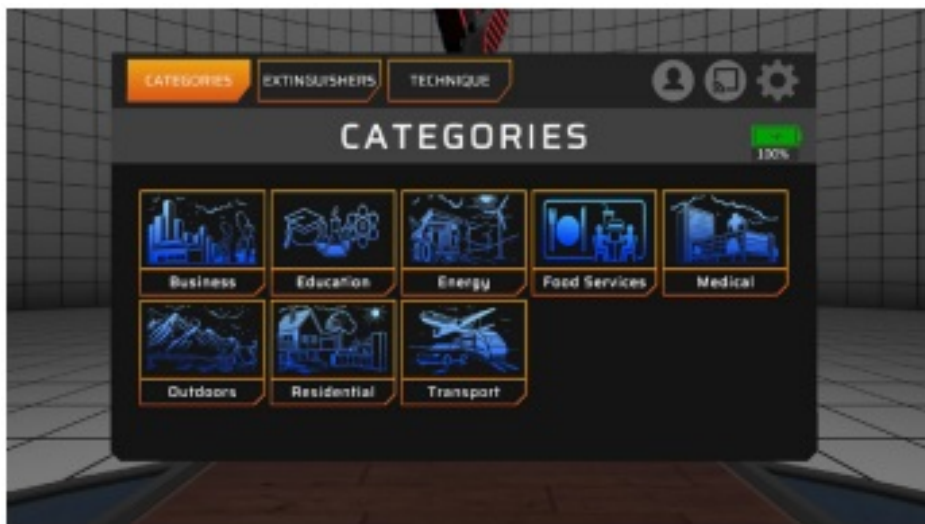**Figure 13:** Category and Scenario menu.

Figure 14: Business Category expanded to show scenarios.

⚠ When selecting in and out of scenarios, you will need to return to your origin point. This origin point can be reset by holding a controllers menu button for 1 second

Figure 15: Feet circle screen

Training Types

The FLAIM Extinguisher system has three different training types – Extinguisher Training, Experience, PVStop

Type 1:
Extinguisher Training teaches users how to use an extinguisher – giving three choices of extinguisher type. For example: The Warehouse Pallet scenario.

Type 2:
Experience is for observation learning. The user will not have any extinguisher choices. For example: The Aircraft Engine scenario.

Type 3:
PV Stop teaches users how to use PV Stop to negate the electricity output of solar panels.

Extinguisher training

If you are in an Extinguisher Training scenario (Type 1 scenarios) – extinguishers will be located nearby **(Figure 16).**
To run this training type, follow the steps below:

1. Select an extinguisher, it will then appear in the user's hand.
2. Squeeze the extinguisher handle to use the extinguisher.

    The scenario will end when the user runs out of suppressant or the fire is extinguished. You will then have the option to return to lobby or restart.

Extinguishers Tab

Select the Extinguishers Tab **(Figure 17)** to learn about the various types of extinguishers and their role in fire suppression.
Virtual extinguishers will appear in front of the user. Aim the controller laser at one, it will highlight the information about its role in fire suppression.

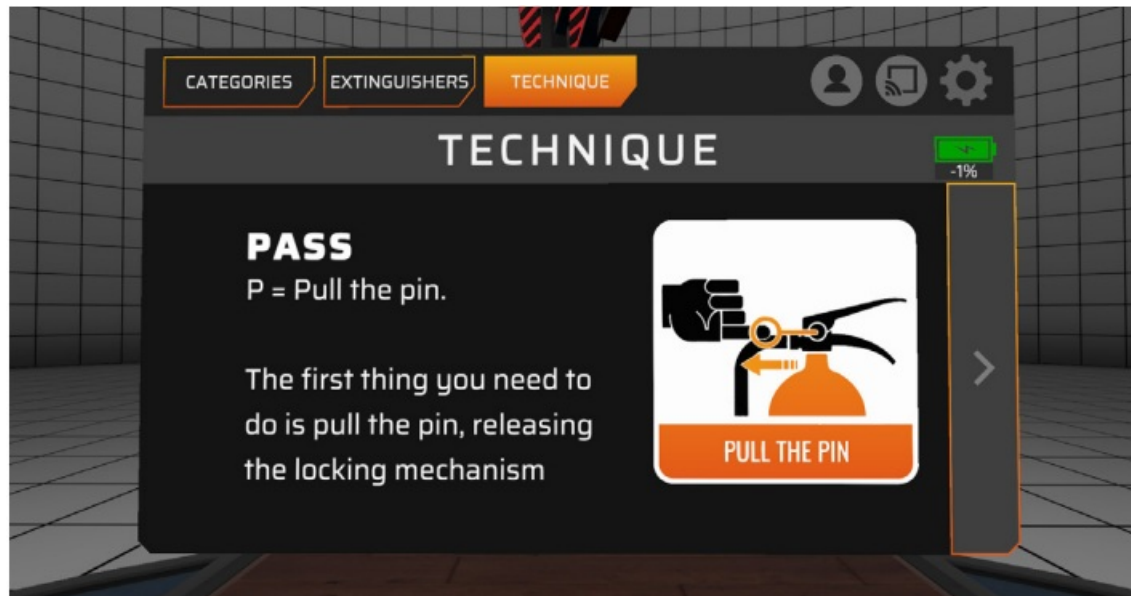**Figure 16:** Extinguishers in Extinguisher Training scenarios.

Figure 17: Extinguishers Tab (next to the Scenarios Tab).

Technique Tab

The Technique Tab **(Figure 19)** walks users through the extinguisher PASS technique. **Ie:** Pull the pin, Aim at the base of the fire, Squeeze the handle and Sweep from left to right.

Figure 19: PASS Technique – Pin

To see the next step – switch pages using the right arrow.

The Settings button is found at the top right of the screen (next to the video connection button). It opens the settings menu.
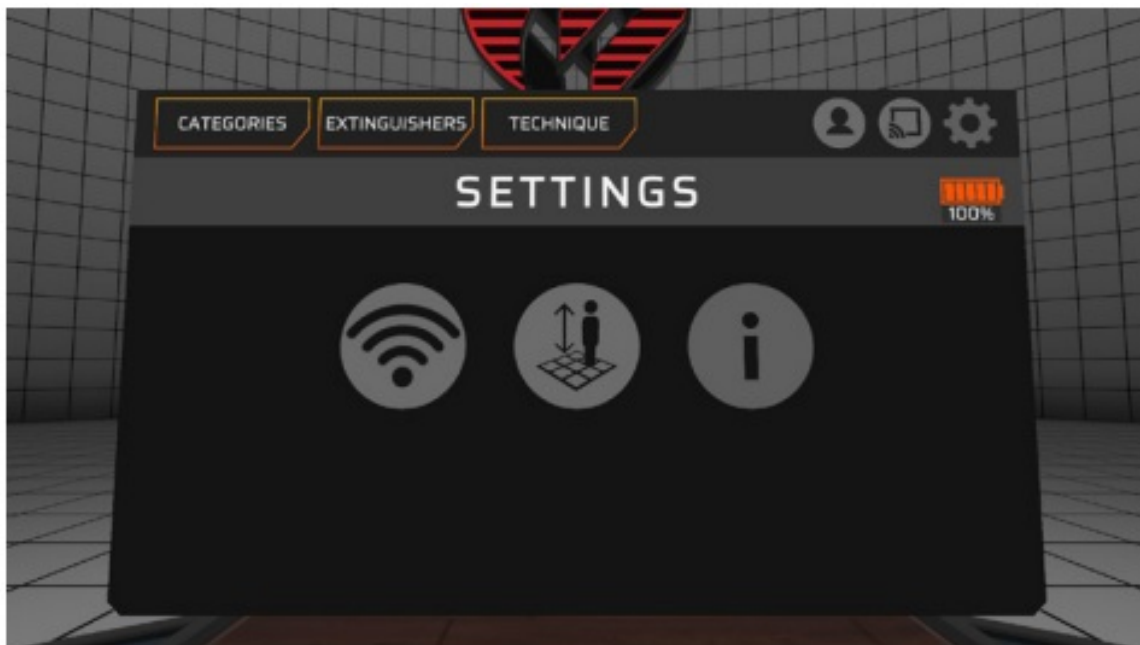
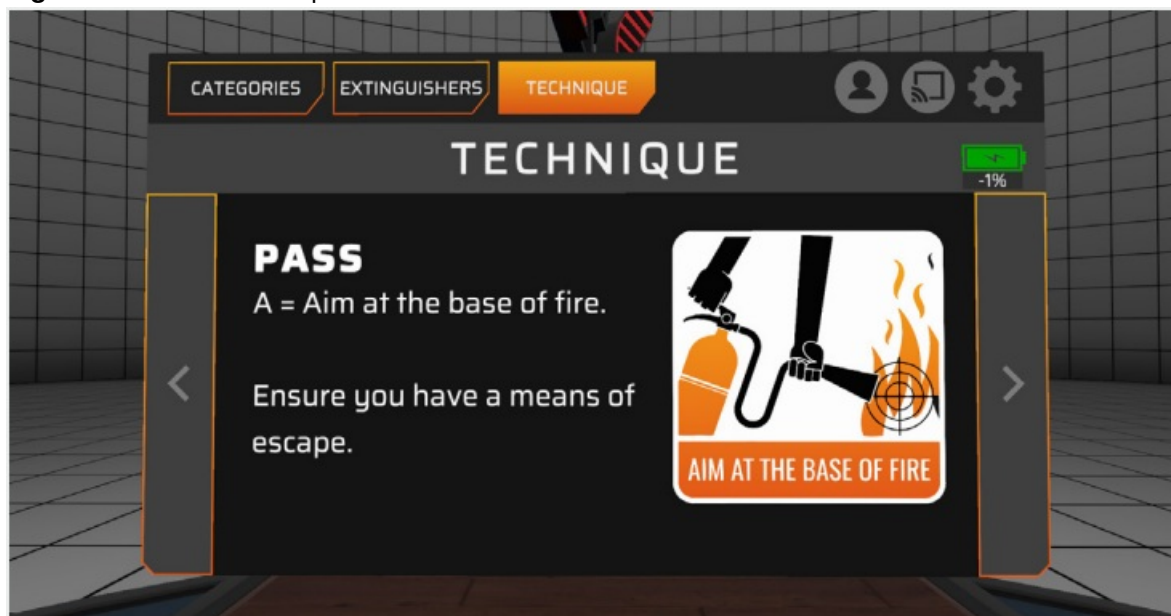**Figure 18:** Settings menu.

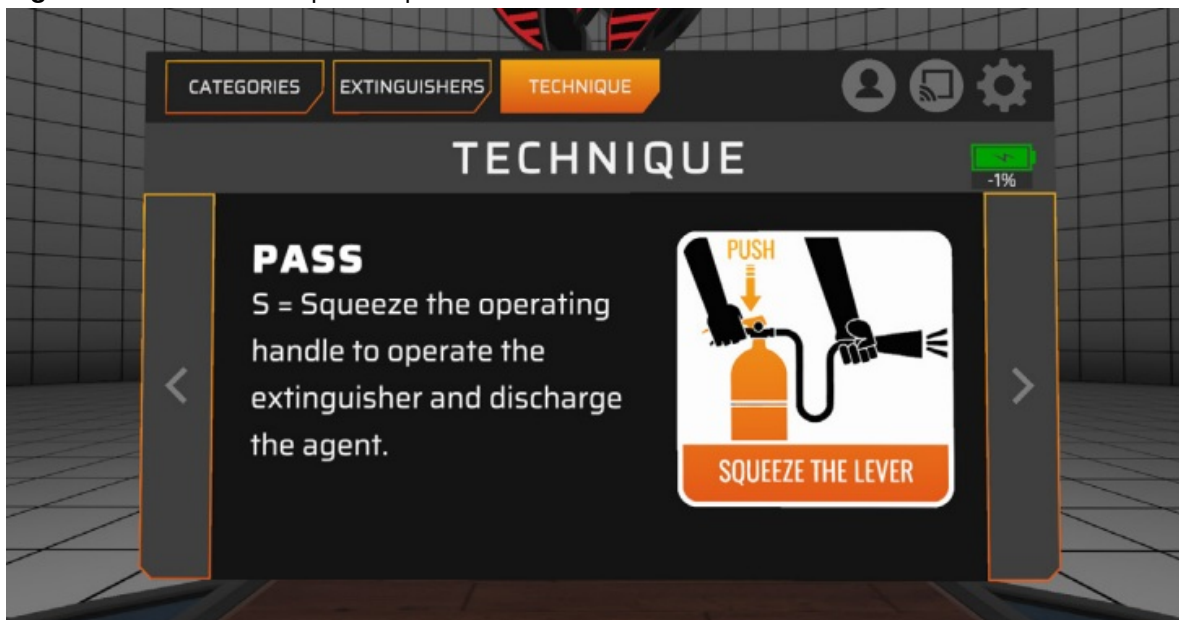**Figure 20:** PASS Technique – Aim

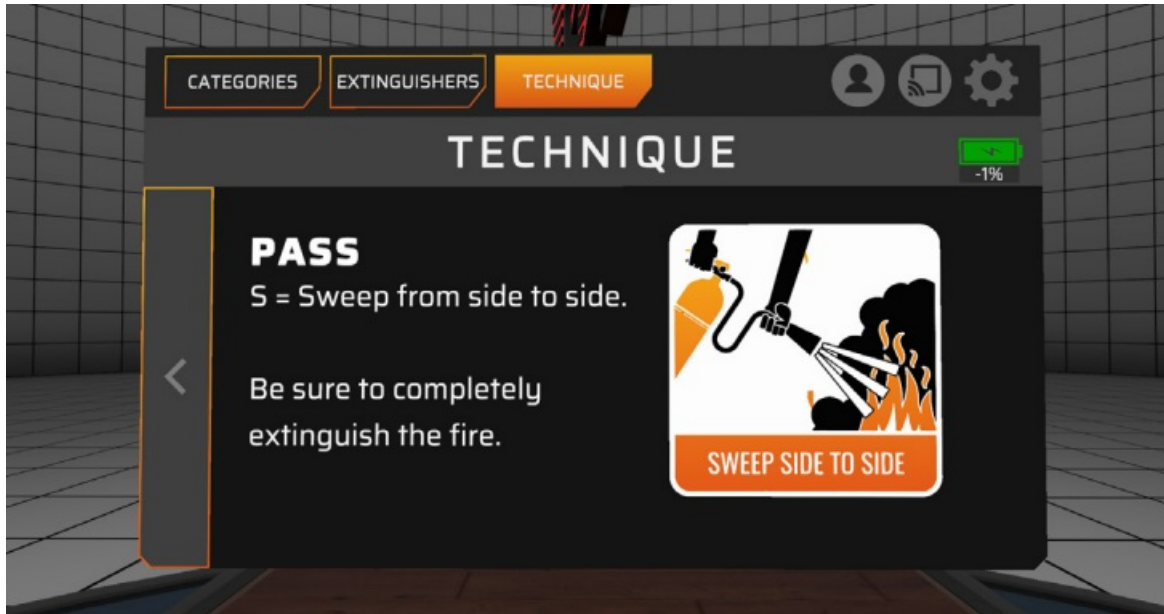**Figure 21:** PASS Technique – Squeeze.

Figure 22: PASS Technique – Sweep.

Fault finding

Please see below a list of possible faults and how you can resolve them.

Fault	Solution
Headset does not turn on	1. Using a charger and cable, please plug in the HMD and wait for about 15 seconds. Then, press the power key of HMD to check whether it can be powered on. If it does power on, charge the HMD until the battery is full. 2. If the device does not power on, please repeat Step 1 using another compatible cable or charger (the type used for mobile devices should be compatible). If the device does power on, the original cable or charger is broken and should be replaced. 3. If the device still cannot be powered on, contact FLAIM.
Headset is not charging	1. Using a charger and cable, please plug in the device that will not power. 2. If the battery voltage is too low, the HMD may not be charged, so the original charging cable needs to be continuously inserted twice for battery activation.

Controller is not tracking	1. Restart the HMD and hand controller. 2. The hand controller's battery might be low, and may need to be charged.
No power light cannot connect to video receiver (tv or projector)	Connect the USB lead to the included wall adaptor as the TV/Projector may not supply enough power to operate the receiver
Tracking jumps around or is not consistent	Large mirrors or windows in a training area may cause interference with the sensory systems
I cannot connect to WiF	1. Restart the HMD and attempt to connect to your Wi-Fi signal of choice 2. If the device cannot connect to the chosen signal, try another Wi-Fi access point if available. 3. If the device cannot connect to WIFI, use another device to connect with the WIFI signal to check whether the WIFI works normally. 4. Find none of the above steps resolve the problem, please contact FLAIM.

FLAIM Systems maintains a support team via email at **support@flaimsystems.com**
and will respond within 24 hours about any further technical issues.

Safety

The safe use of the FLAIM Extinguisher is paramount. The following safety guidelines should be followed to ensure that trainees and support staff are protected at all times.

Safety Advice

FLAIM Extinguisher is only to be used to train emergency services personnel and first responders for workforce, customer and community engagement.
FLAIM Extinguisher **MUST NOT** be used for operational or actual firefighting or **LIVE FIRE** training. Do not use in wet conditions or expose to direct water. Do not use with firefighting liquids or agent streams including gas, carbonaceous or other fuels.

Battery Charging

FLAIM Extinguisher has a battery within the headset that must be charged and maintained for optimal usage. It is critical that the headset is checked for damage before and after use and before and after charging.
If the headset shows signs of damage, then please contact **FLAIM** Systems for advice.

Use conditions

The FLAIM Extinguisher training system should be used inside or away from direct sunlight. Direct sunlight can damage the displays inside the VR headset and will void the warranty of the system. Please contact FLAIM Systems for advice if you have inadvertently exposed your headset to direct sunlight.

Maintenance

Please read the supplied PicoNeo 2 manual for care and maintenance tips.
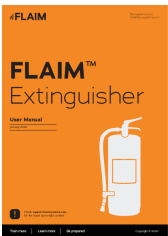
Further Support

Thank you for choosing our FLAIM Extinguisher product to use as a part of your
training program. For further support, please contact your local distributor or incountry agent during business hours or email **support@flaimsystems.com**

Customer Support

flaimsystems.com
info@flaimsystems.com

Documents / Resources

FLAIM™ Extinguisher User Manual	**FLAIM Pass Extinguisher** [pdf] User Manual Pass Extinguisher, Pass, Extinguisher

References

- 🔥 **Safer. Smarter. Deeper learning. | Flaim**